AMERICAN SCIENTIST

Index for Volume 50, 1962

ANNUAL AUTHOR AND ANNOUNCEMENT INDEX

American Scientist, Report of Editor-in-Chief, March, 34A; Editorial Comment, June, 124A; Dec., 356A.

Bochner, S. The Role of Mathematics in the Rise of Mechanics; June, 294.

Brode, W. R. The Growth of Science and a National Science Program; March,

Brown, S. C. Plasma Physics; March,

Brunauer, S. Tobermorite Gel-The Heart of Concrete; March, 210.

Calloway, D. H. et al. The Emergence of a New Technology; Dec., 362A. Cambel, A. B. Magneto-Gasdynamics:

Its Science and Technology; Sept., 375. Carr, A. Orientation Problems in High Seas Travel and Terrestrial Movements of Marine Turtles; Sept., 359.

Comar, C. L. Biological Aspects of Nuclear Weapons; June, 339.

Cone, C. D., Jr. Thermal Soaring of Birds; March, 180. Conrad, G. M. New Developments in the Merchandising of Biological Research Information; Dec., 370A.

Davis, P. J. The Criterion Makers: Mathematics and Social Policy; Sept.,

Freeman, I. M. Populations: Particles and Physicists; Dec., 360A.

Fresco, J. R. Biosynthetic Polynucleo-

tides: Models of Biological Templates (with D. B. Straus); March, 158.

Gillispie, C. C. Perspectives—The Me-chanization of the World Picture by E. J. Dijksterhuis; Dec., 626. Grobstein, C. Levels and Ontogeny;

March, 46.

Hannay, N. B. Chemical Equilibria and Reactions in Semiconductors; March,

Hereim, A. T. Are Scientists Becoming Administrators?; Dec., 358A. Hersh, R. T. Parkinson's Law, the Squid, and pU; Sept., 274A. Huggins, M. L. Physicochemical Aspects of Hydrogen Bonds and Their Applica-

tion to Biology; Sept., 485. Kelly, D. E. Pineal Organs: Photoreception, Secretion and Development; Dec.,

Leopold, L. B. Rivers; Dec., 511.

Marcson, S. Perspectives—European Scientists at Work; March, 243.

Marks, P. A. The Behavior of the Psychologist at a Choice Point (with W.

Seeman); Dec., 538.

McGeer, P. L. Mind, Drugs and Behavior; June, 322.

Mommaerts, W. F. H. M. Molecular

Physiology-Analysis and Synthesis;

Sept., 497. Mora, P. T. Directiveness in Biology on the Molecular Level?; Dec., 570.

Norman, A. G. The Uniqueness of Plants; Sept., 436.

Norrish, R. G. W. Kinetic Spectroscopy and Flash Photolysis; March, 131. Nussbaum, A. Tellurium; June, 312.

Pardee, A. B. pU: A New Quantity in Biochemistry; June, 130A.

RESA: Agenda for the 14th Annual Convention, Dec., 1962; 358A.

Report of the 13th Annual Convention, Dec., 1961; March,

Report of the Treasurer, 1961; March, 257.

RESA-Sigma Xi National Lec-tureships, 1962–1963; June,

Standing Committees, Sigma Xi-RESA Annual Listing; March, 52A.

Rossini, F. D. Message from the Incoming President; Dec., 509.

Ryle, M. Radio Astronomy and Cosmology; March, 92.

Seeman, W. The Behavior of the Psychologist at a Choice Point (with P. A. Marks); Dec., 538.

Shoemaker, E. M. Exploration of the Moon's Surface; March, 99.

Sigma Xi: Agenda for the 63rd Annual Convention, Dec., 1962; Dec., 356A.

Grants-in-Aid of Research,

1962; Sept., 234A. Report of the 62nd Annual Convention, Dec., 1961; March, 20A.

Report of the Treasurer, 1961; March, 253. Sigma Xi-RESA National

Lectureships, 1962-1963; June, 124A.

Standing Committees, Sigma Xi-RESA Annual Listing; March, 50A.

476A

AMERICAN SCIENTIST

Index for Volume 50, 1962

ANNUAL AUTHOR AND ANNOUNCEMENT INDEX

American Scientist, Report of Editor-in-Chief, March, 34A; Editorial Comment, June, 124A; Dec., 356A.

Bochner, S. The Role of Mathematics in the Rise of Mechanics; June, 294.

Brode, W. R. The Growth of Science and a National Science Program; March,

Brown, S. C. Plasma Physics; March,

Brunauer, S. Tobermorite Gel-The Heart of Concrete; March, 210.

Calloway, D. H. et al. The Emergence of a New Technology; Dec., 362A. Cambel, A. B. Magneto-Gasdynamics:

Its Science and Technology; Sept., 375. Carr, A. Orientation Problems in High Seas Travel and Terrestrial Movements of Marine Turtles; Sept., 359.

Comar, C. L. Biological Aspects of Nuclear Weapons; June, 339.

Cone, C. D., Jr. Thermal Soaring of Birds; March, 180. Conrad, G. M. New Developments in the Merchandising of Biological Research Information; Dec., 370A.

Davis, P. J. The Criterion Makers: Mathematics and Social Policy; Sept.,

Freeman, I. M. Populations: Particles and Physicists; Dec., 360A.

Fresco, J. R. Biosynthetic Polynucleo-

tides: Models of Biological Templates (with D. B. Straus); March, 158.

Gillispie, C. C. Perspectives—The Me-chanization of the World Picture by E. J. Dijksterhuis; Dec., 626. Grobstein, C. Levels and Ontogeny;

March, 46.

Hannay, N. B. Chemical Equilibria and Reactions in Semiconductors; March,

Hereim, A. T. Are Scientists Becoming Administrators?; Dec., 358A. Hersh, R. T. Parkinson's Law, the Squid, and pU; Sept., 274A. Huggins, M. L. Physicochemical Aspects of Hydrogen Bonds and Their Applica-

tion to Biology; Sept., 485. Kelly, D. E. Pineal Organs: Photoreception, Secretion and Development; Dec.,

Leopold, L. B. Rivers; Dec., 511.

Marcson, S. Perspectives—European Scientists at Work; March, 243.

Marks, P. A. The Behavior of the Psychologist at a Choice Point (with W.

Seeman); Dec., 538.

McGeer, P. L. Mind, Drugs and Behavior; June, 322.

Mommaerts, W. F. H. M. Molecular

Physiology-Analysis and Synthesis;

Sept., 497. Mora, P. T. Directiveness in Biology on the Molecular Level?; Dec., 570.

Norman, A. G. The Uniqueness of Plants; Sept., 436.

Norrish, R. G. W. Kinetic Spectroscopy and Flash Photolysis; March, 131. Nussbaum, A. Tellurium; June, 312.

Pardee, A. B. pU: A New Quantity in Biochemistry; June, 130A.

RESA: Agenda for the 14th Annual Convention, Dec., 1962; 358A.

Report of the 13th Annual Convention, Dec., 1961; March,

Report of the Treasurer, 1961; March, 257.

RESA-Sigma Xi National Lec-tureships, 1962–1963; June,

Standing Committees, Sigma Xi-RESA Annual Listing; March, 52A.

Rossini, F. D. Message from the Incoming President; Dec., 509.

Ryle, M. Radio Astronomy and Cosmology; March, 92.

Seeman, W. The Behavior of the Psychologist at a Choice Point (with P. A. Marks); Dec., 538.

Shoemaker, E. M. Exploration of the Moon's Surface; March, 99.

Sigma Xi: Agenda for the 63rd Annual Convention, Dec., 1962; Dec., 356A.

Grants-in-Aid of Research,

1962; Sept., 234A. Report of the 62nd Annual Convention, Dec., 1961; March, 20A.

Report of the Treasurer, 1961; March, 253. Sigma Xi-RESA National

Lectureships, 1962-1963; June, 124A.

Standing Committees, Sigma Xi-RESA Annual Listing; March, 50A.

476A

Simpson, G. G. The Status of the Study of Organisms; March, 36. pitzer, L., Jr. The Beginnings and

Spitzer, L., Jr. The Beginnings and Future of Space Astronomy; Sept.,

Straus, D. B. Biosynthetic Polynucleotides: Models of Biological Templates (with J. R. Fresco); March, 158.

Taylor, H. S. Report of the Editor-in-Chief, March, 34A; Editorial Comment, June, 124A; Dec., 356A; Perspec-New World, 1939/1946; tives-The

June, 354. Taylor, M. Ways and Waywardnesses of

Amoeba; Dec., 576.

Van Wazer, J. R. Structural Reorganization Through Ligand Interchange; Sept., 450.

Walker, P. L., Jr. Carbon—An Old but New Material; June, 259.Waterman, T. H. Revolution for Biol-

Dec., 548.

Weidlein, E. R. Cooperation—A Re-sponsibility of the Scientists; March,

Wormington, H. M. A Survey of Early American Prehistory; March, 230.

Zucrow, M. J. Space Propulsion Engines
—Their Characteristics and Problems; Sept., 409.

BOOKS REVIEWED AND AUTHORS' ANNUAL INDEX

VOLUME 50, 1962

Abelé, J.; Dec., 408A.

Abercrombie, M., ed.; March, 116A (with J. Brachet).

Abyssal Crustacea (J. L. Barnard et al.); Dec., 430A.

Ackerman, E.; Dec., 431A

Action of Insulin on Cells, The (M. E. Krahl); June, 222A.

Adams, J. E.; Dec., 439A (with V. A. Greulach).

Advances in Electrochemistry & Electrochemi-cal Engineering, Vol. 1: Electrochemistry cal Engineering, Vol. 1: Ele (P. Delahay, ed.); Dec., 395A.

Advances in Inorganic Chemistry & Radio-chemistry, Vol. 3 (H. J. Emeleus & A. G.

Sharpe, eds.); Sept., 308A.

Advances in Morphogenesis, Vol. 1 (M.
Abercrombie & J. Brachet, eds.); March,

Aherns, L. H. et al., eds.; March, 64A. Allen, A. O.; June, 188A.

Amaldi, E. et al., eds.; Dec., 424A.

American Forestry: Six Decades of Growth (H. Clepper & A. B. Meyer, eds.); Sept., 318A.

Amphibians & Their Ways (H. R. Smyth); Sept., 323A. Anderson, O. E., Jr.; June, 354 (with R. G.)

Hewlett). Andrewartha, H. G.; June, 196A.

Argon, Helium, & the Rare Gases, Vol. 1 (G. A. Cook, ed.); June, 215A.

Ashby, M.; Sept., 292A.
Astronomical Photography (G. de Vaucouleurs); Sept., 300A.

Astronomical Spectroscopy (A. D. Thackeray); June, 223A. Atoll Environment & Ecology (H. J. Wiens);

Dec., 472A. Atomic Spectra (H. G. Kuhn); Dec., 449A.

Bailey, N. T. J.; Sept., 320A

Baker, H. D. et al.; Dec., 426A. Barlow, H. M.; Dec., 430A (with J. Brown). Barnard, J. L. et al.; Dec., 430A.

Basic Concepts of Historical Geology (E. W. Spencer); March, 106A. Bassham, J. A.; Sept., 288A (with M. Calvin).

Bates, D. R., ed.; June, 200A. Bell, D. J., ed.; Sept., 344A (with J. K. Grant).

Benson, L.; Dec., 410A. Berger, A. J.; March, 74A. Berkner, L. V.; June, 190A (with H. Odishaw).

Berman, A. I.; March, 98A.

Bern, H. A.; Dec., 420A (with A. Gorbman). Biochemistry of Intracellular Parasitism, The (J. W. Moulder); Dec., 402A. Biochemists' Handbook (C. Long, ed.); June,

211A.

Biographical Memoirs of Fellows of the Royal Society, Vol. 7; June, 172A. Biological Effects of Freezing & Supercooling (A. U. Smith); Dec., 418A.

Biology of Crustacea, A (J. Green); Dec., 404A. Biology of Hydra & of Some Other Coelenterates (H. M. Lenhoff & W. F. Loomis, eds.);

June, 217A. Biology of Stentor, The (V. Tartar); June,

Biophysical Science (E. Ackerman); Dec.,

451A. Bird-Song (W. H. Thorpe); Dec., 470A. Bird-Study (A. J. Berger); March, 74A. Blair, W. F., ed.; Sept., 300A. Bor, N. L.; March, 82A. Bourne, G. H., ed.; March, 76A; June, 186A

(with J. F. Danielli) Brachet, J., ed.; March, 116A (with M.

Abercrombie)

Brown, B. M.; Dec., 396A.
Brown, J.; Dec., 430A (with H. M. Barlow).
Bullard, F. M.; Dec., 416A.
Burnet, F. M.; Sept., 324A.
Busch, H.; Dec., 432A.

Buss, A. H.; June, 221A.

Calvin, M.; Sept., 288A (with J. A. Bassham).

Cameron, E. N.; June, 212A. Campbell, T. W.; March, 62A (with W. Sorenson).

Carlquist, S.; March, 80A.

Cell and the Organism, The (Essays for Sir

James Gray), J. A. Ramsay & V. B. Wigglesworth, eds.; March, 116A. Cell Heredity (R. Sager & F. J. Ryan); June, 180A.

Chamberlain, J. W.; June, 199A. Chandrasekhar, S.; Dec., 428A. Cheldelin, V. H.; June, 182A. Chemical Thermodynamics (J. G. Kirkwood

& I. Oppenheim); June, 217A.

Chemistry of Carbon Compounds, Vol. 4 of
Heterocyclic Compounds (E. H. Rodd, ed.);

June, 205A. June, 205A.
Chemistry of Heterocyclic Compounds, Vol. 14 in 4 parts, Part 1; Pyridine & Its Derivatives (E. Klingsberg, ed.; A. Weissberger, Consulting Ed.); Sept., 304A.
Chemistry of the Amino Acids (J. P. Greenstein & M. Winitz); March, 88A.
Cheronis, N. D., ed.; Sept., 306A.
Choppin, G. R.; Dec., 402A.
Christianity & Science (J. Abelé); Dec., 408A.
Churchill, E. D.; March, 76A (with H. C. Hanson).

Hanson)

Clark, G. L., ed.; Sept., 343A. Clark, G. L., ed.; June, 210A. Clepper H., ed.; Sept., 318A (with A. B. Meyer).

Cloud Forest, The (P. Matthiessen); Sept., 304A.

Cloudsley-Thompson, J. L.; Sept., 334A.

Colbert, E. H.; June, 193A.

Cold Spring Harbor Symposia on Quantitative

Biology, Vol. 25: Biological Clocks; March,

Collected Papers of Enrico Fermi, The, Vol. 1: Italy, 1921–1938 (E. Amaldi et al., eds.); Dec., 429A. Comparative Plant Anatomy (S. Carlquist);

March, 80A. Comprehensive Analytical Chemistry,

1-B: Classical Analysis (C. L. & D. W. Wilson, eds.); Sept., 336A. Computer Control Systems Technology (C. T.

Leondes, ed;). June, 221A. Concepts of Mass in Classical & Modern Physics (M. Jammer); Dec., 406A. Conservation of Wild Life & Natural Habitats in Central & E. Africa, The—(UNESCO) (J. Huxley); June, 219A

Cook, G. A., ed.; June, 215A. Cook, R. L.; Dec., 432A. Crouse, W. H. et al.; Sept., 288A.

Crowle, A. J.; Sept., 342A.
Culture & Behavior, Collected Essays of
Clyde Kluckhohn, (R. Kluckhohn, ed.); Dec., 410A.

Danielli, J. F., ed.; March, 76A; June, 186A (with G. H. Bourne). de Boer, J. H. et al., eds.; June, 188A. De Broglie, L.; Dec., 402A. Deer, W. A. et al.; Dec., 433A. Delahay, P., ed.; Dec., 395A. de Santillana, G.; June, 213A.

Descriptive Palaeoclimatology (A. E. M.

Descriptive Palaeoclimatology (A. E. M. Nairn, ed.); Sept., 296A. de Vaucouleurs, G.; Sept., 300A. Dijksterhuis, E. J.; Dec., 626. Dinosaurs (E. H. Colbert); June, 193A. Dirae, P. A. M.; Sept., 504. Dobzhansky, T.; June, 208A. Dreams of Reason, Science & Utopias (R. Dubos); June, 356. Dry, A. M.; Dec., 435A. Dubos, R.; June, 356. Durham, K., ed.; Sept., 308A. Durrell, G.; Dec., 463A. Dyson, J. L.; Dec., 436A.

Eames, A. J.; March, 82A.

Eames, F. E. et al.; Dec., 438A. Eibl-Eibesfeldt, I.; March, 102A. Electrolytic Dissociation (C. B. Monk); Sept., 332A. Elementary Particles (C. N. Yang); March,

250. Elements of Infrared Technology (P. W. Kruse et al.); Dec., 452A.

Elements of Maser Theory (A. A. Vuylsteke);

June, 206A.
Eliel, E. L.; Dec., 443A.
Elving, P. J., ed.; Sept., 306A (with I. M. Emeleus, H. J., ed.; Sept., 308A (with A. G.

Sharpe)

Sharpe).
Emmett, P. H.; Sept., 312A.
Encyclopedia of Microscopy, The (G. L.
Clark, ed.); June, 210A.
Esau, K.; March, 70A.
Ethnobotany of Pre-Columbian Peru, The (M.
A. Towle); Dec., 416A.
Evolution & Genetics (D. J. Merrell); Sept.,
314A.

314A.

Choppin); Dec., 422A.

Externmental Nuclear Chemistry (G. R. Choppin); Dec., 422A.

Extensible Model of the Electron, An (P. A. M. Dirac); Sept., 504.

External Characters of Minerals, On the (A. W. Chem.)

G. Werner); Dec., 408A.

Family Growth in Metropolitan America (C. F. Westoff et al.); June, 213A.

Fatique Testing & Analysis of Results (W. Weibull, ed.); March, 110A. Feather, N.; Dec., 424A. Felgar, R. P.; Dec., 443A (with J. D. Lu-

bahn).

Fielder, G.; March, 68A.

Fire of Life, The (M. Kleiber); June, 197A.

Fishes, The (U. Lanham); Dec., 448A.

Flora of the Alaskan Arctic Slope, A (I. L. Wiggins & J. H. Thomas); Sept., 330A.
Fluorescent Protein Tracing (R. C. Nairn, ed.); Dec., 460A.

Forces & Fields (M. B. Hesse); Dec., 442A. Fradin, A. Z.; March, 114A.

Francis Matthes & the Marks of Time (F. Fryxell, ed.); June, 216A.
Frick, G. F.; Dec., 464A (with R. P. Stearns).
From Dualism to Unity in Quantum Physics (A. Landé); March, 98A.

From Miasmas to Molecules (W. B. Wood, Jr.); June, 192A.

Fryxell, F., ed.; June, 216A.
Functional Circuits & Oscillators (H. J. Reich); June, 222A.

Fundamentals & Techniques of Mathematics for Scientists (M. M. Nicolson: D. R. Hartree & D. G. Padfield, eds.); Sept., 340A.

Fundamentals of Mid-Tertiary Stratigraphical Correlation (F. E. Eames et al.); Dec., 438A. Fundamentals of Scientific Mathematics (G. E. Owen); Sept., 294A.

Galapagos (I. Eibl-Eibesfeldt); March, 102A. Gallik, D. M., ed.; Sept., 325A (with V. L. Ginsburg & W. L. Sadowski). Garrett, J. F., ed.; Dec., 436A (with E. S.

Levine). Gas Chromatography (H. J. Noebels et al.,

eds.); March, 96A. Geology & Engineering, 2nd ed. (R. F. Legget); Dec., 458A.

Geology of the Atlantic & Gulf Coastal Provinces of N. America (G. E. Murray); March. 104A.

57

Ginzburg, V. L., ed.; Sept., 325A (with W. L. Sadowski & D. M. Gallik, eds.).

Glick, D.; Sept., 338A. Glossary of Geographical Terms, A (L. D.

Glossary of Geographical Terms, A. (L. D. Stamp, ed.); June, 216A.
Golden, S.; Dec., 494A.
Goodspeed, T. H.; June, 195A.
Gorbman, A.; Dec., 420A (with H. A. Bern).
Grabbe, E. M., et al., eds.; June, 214A.
Grant, J. K., ed.; Sept., 344A (with D. J.

Bell).

(N. L. Bor); March, 82A. Great Mathematicians, The (H. W. Turnbull); June, 357.

Green Flash & Other Low Sun Phenomena, The (D. J. K. O'Connell); March, 62A. Green, J.; Dec., 40A. Greenstein, J. P.; March, 88A (with M. Winitz)

Gregory, R. A.; Dec., 448A. Greulach, V. A.; Dec., 439A (with J. E. Adams).

Halpern, B. P., ed.; Dec., 440A (with M. R.

Handbook of Automation, Computation, & Control, Vol. 3 (E. M. Grabbe et al., eds.); June, 214A. Hanson, H. C.; March, 76A (with E. D.

Churchill). Hartree, D. R., ed.; Sept., 340A (with D. G.

Padfield). Heidelberger, M., ed., Dec., 446A (with O. J.

Plescia)

Hesse, M. B.; Dec., 442A. Hewlett, R. G.; June, 354 (with O. E. Anderson, Jr.), Hillman, W. S.; Dec., 439A.

History of Chemistry, A, Vol. 2 (J. R. Partington); Dec., 462A.

History of the Earth (B. Kummel); March, 106A. History of the United States Atomic Energy Commission, A (R. G. Hewlett & O. E. Anderson, Jr.); June, 354. Howe, H. V.; Sept., 314A.

Hubble Atlas of Galaxies, The (A. Sandage); June, 212A.

June, 212A.
Hutchinson, E.; Dec., 456A.
Huxley, J.; June, 219A.
Hydrodynamic & Hydromagnetic Stability
(S. Chandrasekhar); Dec., 428A.

Immunochemical Approaches to Problems in Microbiology (M. Heidelberger & O. J. Plescia, eds.); Dec., 446A. Immunodiffusion (A. J. Crowle); Sept., 342A. India (P. Spear); Sept., 310A. Inquiry into the Forgery of the Etruscan Terracotta Warriors in the Metropolitan Museum of Art, Paper 411 (D. von Bothmer & J. V. Noble); Sept., 355. Integrity of the Body, The (F. M. Burnet); Sept., 324A.

Sept., 324A.

International Review of Cytology, Vols. 10, 11 (G. H. Bourne & J. F. Danielli, eds.); March, 76A; June, 186A.

Introduction to Entomology (R. Jeannel); June, 178A.

(W. S. von Arx); Dec., 394A.

Introduction to Plant Ecology (M. Ashby);

Sept., 292A.

Introduction to the Biochemistry of the Cancer Cell, An (H. Busch); Dec., 432A. Introduction to the Mathematical Theory of Genetic Linkage (N. T. J. Bailey); Sept.,

320A.

Waves, An (N. Feather); Dec., 424A.
Introduction to the Study of Animal Populations (H. G. Andrewartha); June, 196A.

Introduction to Theoretical Physical Chemistry (S Golden); Dec., 404A.

Introductory System Analysis (W. A. Lynch & J. G. Truxal); March. 112A. Irradiation of Mice & Men (J. F. Loutit);

Dec., 440A.

Ishi in Two Worlds (T. Kroeber); June, 172A.

Jackson, D., ed.; Sept., 344A. Jacob, F.; June, 174A (with E. L. Wollman). Jammer, M.; Dec., 000A. Jeannel, R.; June, 178A.

Kare, M. R., ed.; Dec., 440A (with B. P. Halpern). irkwood, J. G.; June, 217A (with I. Kirkwood.

Oppenheim).

Kleiber, M.; June, 197A. Klingsberg, E., ed.; Sept., 304A (with A. Weissberger).

Kluckhohn, R., ed.; Dec., 410A.

Koch, S., ed.; Dec., 434A. Kolthoff, I. M., ed.; Sept., 306A (with P. J.

Kolthoff, I. M., ed.; Dec., 473A (with P. Zuman)

Zuman).

Kopal, Z.; Dec., 400A.

Kopal, Z., ed.; Dec., 398A.

Korn, G. A. & T. M.; June, 201A.

Krahl, M. E.; June, 222A.

Kroeber, T.; June, 172A.

Kruse, P. W. et al.; Dec., 452A.

Kuhn, H. G.; Dec., 449A.

Kuiper, G. P., ed.; Sept., 290A (with B. M.

Middleburst). Middlehurst)

Kummel, B.; March, 106A.

Landau, L. D.; March, 109A (with E. M. Lifshitz).

Lifshitz).
Landé, A.; March, 98A.
Lane, C. T.; Dec., 452A.
Lanham, U.; Dec., 448A.
LaSalle, J.; Dec., 396A (with S. Lefschetz).
Lee, J. C.; June, 220A (with R. S. Snider).
Lefschetz, S.; Dec., 396A (with J. LaSalle).
Legget, R. F.; Dec., 458A.
Lenhoff, H. M., ed.; June, 217A (with W. F. Loomis).

Loomis). Leondes, C. T., ed.; June, 221A.

Letters of the Lewis & Clark Expedition, 1783-1854 (D. Jackson, ed.); Sept., 344A. Levine, E. S., ed.; Dec., 436A (with J. F. Garrett)

Life (A. I. Oparin); Dec., 458A. Lifshitz, E. M.; March, 109A (with L. D. Landau).

Long, C., ed.; June, 211A. Loomis, W. F., ed.; June, 217A (with H. M. Lenhoff)

Loutit, J. F.; Dec., 446A. Lubahn, J. D.; Dec., 443A (w'h R. P. Felgar Lynch, W. A.; March, 112A.

Majumdar, D. N.; Sept., 310A.

Mankind Evolving (T. Dobzhansky); June,

Manual of Field Geology (R. R. Compton); June, 203A.

Mark Catesby, The Colonial Audubon (G. F. Frick & R. P. Stearns); Dec., 464A.

Mathematical Handbook for Scientists & Engineers (G. A. & T. M. Korn); June, 201A.

201A.

Mathematical Theory of Linear Systems, The (B. M. Brown); Dec., 396A.

Matthiessen, P.; Sept., 304A.

McGraw-Hill Yearbook of Science & Technology, 1961 Review; 1962 Preview (W. H. Crouse et al., eds.); Sept., 288A.

McKusick, V. A. et al.; Dec., 398A. Mechanics (L. D. Landau & E. M. Lifshitz); March, 109A. Mechanization of the World Picture, The (E. J. Dijksterhuis); Dec., 626.

Mctical Genetics 1958-1960 (V. A. McKusick et al.); Dec., 398A. Medieval Technology & Social Change (L. White, Jr.); Dec., 454A. Merrell, D. J.; Sept., 314A. Metabolic Pathways in Microorganisms (V. H. Cheldelin); June. 182A. Meyer, A. B., ed.; Sept., 318A (with H. Clepper). Microbial Cell Walls (M. R. J. Salton); June, 180A. Microwave Antennas (A. Z. Fradin); March, Middlehurst, B. M., ed.; Sept., 290A (with G. P. Kuiper). Miller, V. C.; June, 223A. Mining Research (G. B. Clark, ed.); Sept., 343A. Molecular Biophysics (R. B. Setlow & E. C. Pollard); Dec., 414A.

Molecular Orbital Theory for Organic Chemists (A. Streitwieser, Jr.); Sept., 316A. Monk, C. B.; Sept., 332A. Moon, The (Z. Kopal); Dec., 400A. Moore, C. B., ed.; June, 219A. Moore, R. C., ed.; March, 68A. Moran, P. A. P.; Dec., 460A. Morphology of the Angiosperms (A. J. Eames);

March, 82A.
Moulder, J. W.; Dec., 402A.
Mouldel, J. W.; Dec., 406A (with P. A. Talbot).
Murie, A.; Dec., 448A.
urray, MG. E.; March, 104A. Nairn, A. E. M., ed.; Sept. 296A. Nairn, R. C., ed.; Dec., 460A. Naturalist in Alaska, A (A. Murie); Dec. 448A 448A.

New Approaches to the Study of Catalysis (P.
H. Emmett); Sept., 312A.

New Perspectives in Physics (L. De Broglie);
Dec., 132A.

Nicholls, C. M., ed.; March, 113A.

Nicolson, M. M. (eds. D. R. Hartree & D.
G. Padfield); Sept., 340A.

Niemer, W. T.; June, 220A (with R. S.

Snider) Snider). Noble, J. V.; Sept., 505 (with D. von Both-

Noebels, H. J. et al., eds.; March, 96A. Notes on Molecular Orbital Calcu Notes on Molecular Orbital Calculations (J. D. Roberts); Sept., 316A.
Novozhilov, V. V.; June, 220A.
Numerical Weather Analysis & Prediction (P. D. Thompson); June, 190A.
Nyburg, S. C.; March, 96A.

Oceanography (M. Sears, ed.); June, 210A. O'Connell, D. J. K.; March, 62A. Odishaw, H.; June, 190A (with L. V. Berkner). Oparin, A. I.; Dec., 458A. Oppenheim, I.; June, 217A (with J. G. Kirkwed). Kirkwood). Ore Microscopy (E. N. Cameron); June, 212A.
Origins of Scientific Thought, The, Vol. 1
(G. de Santillana); June, 213A.

Orr, R. T.; June, 174A.
Ostracod Taxonomy (H. V. Howe); Sept., 314A. Owen, G. E.; Sept., 294A.

Padfield, D. G., ed.; Sept., 340A (with D. R. Hartree). Paleoecology of the Llano Estacado (F. Wendorf, ed.); Sept., 342A.

Partington, J. R.; Dec., 462A. Paul, M. A.; Dec., 456A Penguin Summer, (Falkland Island Birds) (E. R. Pettingill); Dec., 463A, Pettingill, E. R.; Dec., 463A.

Phosphorus & Its Compounds, Vol. 2 (J. R. Phosphorus & Its Compounas, vol. z (J. R. Van Wazer, ed.); Sept., 328A.

Photogeology (V. C. Miller); June, 223A.

Photosynthesis of Carbon Compounds, The (M. Calvin & J. A. Bassham); Sept., 288A.

Physical Anthropology of S. Nigeria, The (P. A. Talbot & H. Mulhall); Dec., 406A.

Physical Chemistry (E. Hutchinson); Dec., 456A.

456A. Physical Chemistry (M. A. Paul); Dec., 456A. Physical Chemistry of Macromolecules (C. Tanford); Dec., 414A.

Physical Principles of Astronautics, The (A. I. Berman); March, 98A Physicist & Christian (W. G. Pollard); Dec.,

462A. Physics & Astronomy of the Moon (Z. Kopal, ed.); Dec., 398A.

Physics & Chemistry of the Earth (L. H. Aherns et al., eds.); March, 64A.

Physics & Chemistry (L. W. Aherns et al., eds.); March, 64A.

Physics of the Aurora & Airglow (J. W. Chamberlain); June, 199A.
Physiological & Behavioral Aspects of Taste,
The (M. R. Kare & B. P. Halpern, eds.);

Dec., 440A.

Physiology of Flowering, The (W. S. Hillman); Dec., 439A. Pierce, J. R.; June, 186A.

Planets & Satellites (G. P. Kuiper & B. M. Middlehurst, eds.); Sept., 290A.

Plant Community, The (H. C. Hanson & E. D. Churchill); March, 76A. Plant Hunters in the Andes (T. H. Good-

speed); June, 195A Plant Taxonomy (L. Benson); Dec., 410A. Plants, An Introduction to Modern Botany (V. A. Greulach & J. E. Adams); Dec., 439A.

Plants, Viruses, & Insects (K. Esau); March, 70A. Plastic Flow & Fracture in Solids (T. Y.

Thomas); June, 204A.

Plasticity & Creep of Metals (J. D. Lubahn & R. P. Felgar); Dec., 443A.

escia, O. J., ed.; Dec., 446A (with M. Heidelberger). Pollard, E. C.; Dec., 414A (with R. B. Setlow

Pollard, W. G.; Dec., 462A. Prague (Semiconductor Physics), see Proceedings of; Dec., 412A.

Precocious Sexual Development (E. Tham-

drup); Dec., 418A. Preparative Methods of Polymer Chemistry (W. Sorenson & T. W. Campbell); March, 62A.

Principles of Nematology (G. Thorne); March, 86A. Proceedings of International Conference on

Semiconductor Physics, Prague, 1960; Dec., 412A. Progress in Polarography, Vols. 1 & 2 (P.

Zuman & I. M. Kolthoff, eds.); Dec., 473A. Propagation of Electromagnetic Waves in Plasma (V. L. Ginzburg; W. L. Sadowski, & D. M. Gallik, eds.); Sept., 325A.

Psychological Practices with the Physically Disabled (J. F. Garrett & E. S. Levine, eds.); Dec., 436A. Psychology (S. Koch, ed.); Dec., 434A.

Psychology of Aggression, The (A. H. Buss); June, 221A. Psychology of Jung, The (A. M. Dry); Dec.,

435A.

Quantitative Chemical Techniques of Histo- and Cytochemistry, Vol. 1 (D. Glick); Sept., 338A.

Quantum Theory, Vol. 1 (D. R. Bates, ed.); June, 200A.

Races & Cultures of India (D. N. Majumdar); Sept., 310A.

Radiation Chemistry of Water & Aqueous Solutions, The (A. O. Allen); June, 188A. Radiation Protection (Report of Committee III), March, 70A.

Radiation Protection in Mammals (J. F. Thomson); Dec., 470A

Radio Surface Waves (H. M. Barlow & J. Brown); Dec., 430A.
Ramsay, J. A., ed.; March, 116A (with V. B.

Wigglesworth) Reactivity of Solids (J. H. de Boer et al.,

eds.); June, 188A. Reich, H. J.; June, 222A.

Researches on Meteorites (C. B. Moore, ed.); June, 219A.

Rhythmic Activity in Animal Physiology & Behaviour (J. L. Cloudsley-Thompson); Sept., 334A.

Rittmann, A.; Dec., 466A. Roberts, J. D.; Sept., 316A.

Robe-Forming Minerals, Vol. 1 (W. A. Deer et al.); Dec., 443A. Rodd, E. H., ed.; June, 205A. Rostand, J.; Dec. 640.

Royal Society; June, 172A; also see Dirac, P. A. M.; Sept., 504. Ryan, F. J.; June, 180A (with R. Sager).

Sadowski, W. L., ed.; Sept., 325A (with V. L. Ginzburg & D. M. Gallik). Sager, R.; June, 180A (with F. J. Ryan). Salton, M. R. J.; June, 180A.

Sandage, A.; June, 212A. Scheidegger, A. E.; Dec., 395A. Science in Space (L. V. Berkner & H. Odi-shaw); June, 190A.

Sears, M., ed.; June, 210A.
Secretory Mechanisms of the Gastro-Intestinal
Tract (R. A. Gregory); Dec., 448A.
Setlow, R. B.; Dec., 414A (with E. C. Pollard

xuality & the Genetics of Bacteria (F. Jacob & E. L. Wollman); June, 174A. Sexuality Sharpe, A. G., ed.; Sept., 308A (with H. J. Emeleus).

Shock Tubes (J. K. Wright); June, 215A.

Smelser, G. K., ed.; June, 184A.
Smith, A. U.; Dec., 418A.
Smith, K. M.; Dec., 467A.
Smyth, H. R.; Sept., 323A.
Smider, R. S.; June, 220A(2) (with J. C. Lee

Social Life of Early Man (S. L. Washburn, ed.); Sept., 322A.

Soil Management for Conservation & Produc-tion (R. L. Cook); Dec., 432A. Sorenson, W.; March, 62A (with T. W.

Campbell).
Spear, P.; Sept., 310A.
Spencer, E. W.; March, 106A.

Stability by Liapunov's Direct Method with Applications (J. LaSalle & S. Lefschetz); Dec., 396A.

Stamp, L. D., ed.; June, 216A.
Statistical Processes of Evolutionary Theory
(P. A. P. Moran); Dec., 460A.
Stearns, R. P.; Dec., 464A (with G. F.

Frick). Stereochemistry of Carbon Compounds (E. L.

Eliel); Dec., 443A.

Stereotaxic Atlas of the Cat Brain (R. S. Snider & W. T. Niemer); June, 220A.

Stereotaxic Atlas of the Monkey Brain (R. S. Snider & J. C. Lee); June, 220A.

Streitwieser, A., Jr.; Sept., 316A.

Structure & Biosynthesis of Macromolecules,
The (D. J. Bell & J. K. Grant, eds.); Sept., 344A.

Structure of the Eye, The (G. K. Smelser, ed.); June, 184A.

Structure of the Moon's Surface (G. Fielder); March, 68A. Submicrogram Experimentation (N. D. Chero-

nis, ed.); Sept., 306A. Substance of Man, The (J. Rostand); Dec.,

Superfluid Physics (C. T. Lane); Dec., 452A. Surface Activity & Detergency (K. Durham,

ed.); Sept., 308A. Swalin, R. A.; Dec., 468A. Symbols, Signals, & Noise (J. R. Pierce); June, 186A.

Talbot, P. A.; Dec., 406A (with H. Mulhall). Tanford, C.; Dec., 414A. Tartar, V.; June, 182A.

Tartar, V.; June, 182A.
Technology, Engineering, & Safety (C. M. Nicholls, ed.); March, 113A.
Temperature Measurement in Engineering, Vol. 2 (H. D. Baker et al.); Dec., 426A.
Textbook of Comparative Endocrinology, A (A. Gorbman & H. A. Bern); Dec., 420A.
Thackeray, A. D.; June, 223A.
Thamdrup, E.; Dec., 418A.
Theoretical Geomorphology (A. E. Scheidegger); Dec., 395A.

ger); Dec., 395A.

Theory of Elasticity (V. V. Novozhilov); June, 220A. Thermodynamics of Solids (R. A. Swalin);

Dec., 468A.
Thomas, J. H.; Sept., 330A (with I. L. Wiggins)

Wiggins).
Thomas, T. Y.; June, 204A.
Thompson, P. D.; June, 190A.
Thomson, J. F.; Dec., 470A.
Thorne, G.; March, 86A.
Thorpe, W. H., Dec., 470A.
Towle, M. A.; Dec., 416A.

Treatise on Analytical Chemistry, Part 1, Vol. 2; Part 2, Vol. 1; Vol. 3; Vol. 5. (I. M. Kolthoff & P. J. Elving, eds.); Sept., 306A. Treatise on Invertebrate Paleontology, Part 1, Mollusca 1 (R. C. Moore, ed.); March, 68A. Truxal, J. G.; March, 112A. Turnbull, H. W.; June, 357.

Van Wazer, J. R., ed.; Sept., 328A. Vertebrate Biology (R. T. Orr); June, 174A. Vertebrate Speciation (W. F. Blair, ed.); Sept., 300A.

Viruses (K. M. Smith); Dec., 467A.
Volcanoes & Their Activity (A. Rittmann); Dec., 466A.

Volcanoes in History, in Theory, in Eruption (F. M. Bullard); Dec., 416A.

von Arx, W. S.; Dec., 394A. von Bothmer, D.; Sept., 505 (with J. V. Noble)

Vuylsteke, A. A.; June, 206A.

Washburn, S. L., ed.; Sept., 322A. Weibull, W., ed.; March, 110A.

Weissberger, A., ed.; Sept., 304A (with E. Klingsberg).

Wendorf, F., ed.; Sept., 342A. Werner, A. G.; Dec., 408A. Westoff, C. F. et al.; June, 213A. Whispering Land, The (G. Durrell); Dec.,

463A. White, L., Jr.; Dec., 454A. Wiens, H. J.; Dec., 472A. Wiggins, I. L.; Sept., 330A (with J. H.

Thomas).

Wigglesworth, V. B., ed.; March, 116A (with J. A. Ramsay).
Wilson, C. L. & D. W., eds.; Sept., 336A.
Winitz, M.; March, 88A (with J. P. Green-

Wollman, E. L.; June, 174A (with F. Jacob). Wood, W. B., Jr.; June, 192A. World of Ice, The (J. L. Dyson); Dec., 436A.

Wright, J. K.; June, 215A.

X-Ray Analysis of Organic Structure (S. C. Nyburg); March, 96A.

Yang, C. N.; March, 250.

Zuman, P., ed.; Dec., 473A (with I. M. Kolthoff).

REVIEWERS' ANNUAL INDEX

VOLUME 50, 1962

Allen, L. C.; June, 200A. Allen, R. D.; Dec., 431A. Allison, S. K.; Dec., 424A. Annegers, J. H.; Dec., 448A. Atkins, K. R.; Dec., 452A.

Balise, P. L.; June, 201A; 214A; 221A; Sept., 294A; Dec., 396A(2). 294A; Dec., 396A(2).
Bates, M.; June, 196A.
Bauer, S. H.; June, 215A.
Beer, J. J.; Dec., 462A.
Beidler, L. M.; Dec., 440A.
Beidler, F. J.; Sept., 340A.
Birchenall, C. E.; Dec., 443A.
Bockris, J. O'M.; Dec., 395A.
Bodanszky. M.; March, 88A.
Bogert, C. M.; Sept., 323A.
Bonner, J. T.; March, 116A(2); June, 217A;
Sept., 324A; Dec., 448A, 458A.
Borstel, R. C. von; March, 70A; 76A; June, 186A.

186A.

186A.
Boudart, M.; Sept., 312A.
Bowin, C.; March, 68A.
Bowman, T. E.; Dec., 430A.
Brackett, S.; March, 86A.
Bricker, C. E.; Dec., 462A.
Brown, W. L., Jr.; Sept., 300A.
Bruce, V. G.; Sept., 334A.
Bucher, W.; Sept., 296A.
Buddington, A. F.; Dec., 460A.
Buell, M. F.; Sept., 292A.

Canright, J. E.; March, 82A.
Carlson, G.; June, 221A.
Carpenter, F. M.; June, 178A.
Cate, J. L.; Dec., 454A.
Chang, H.; Sept., 325A.
Chapman, G. B.; June, 180A.
Chapman, S.; June, 199A.
Chiu, Y. N.; June, 206A.
Choksy, N. H.; March, 112A.
Cleaves, A. B.; Dec., 458A.
Cohn, B. S.; Sept., 310A.
Collier, D.; Dec., 416A.
Cooper, K. W.; June, 182A.
Crane, R. I.; Sept., 310A.
Cunningham, W. J.; June, 186A.

Danielson, R. E.; March, 98A; Sept., 290A; Dec., 398A, 400A, 428A.
Darling, F. F.; June, 219A.
Davson, H.; June, 184A.
Dobzhansky, T.; Sept., 314A.
Donachie, W. D.; Dec., 402A.
Doyle, W. L.; Sept., 338A.
Dufner, A. J.; Dec., 408A.
Dunn, F.; June, 220A; Dec., 406A.
Durham, J. W.; Dec., 438A.

Eberhart, B. M.; June, 180A. Enke, C. G.; Sept., 332A.

Esau, K.; March, 80A.

Field, G. B.; June, 190A; 212A. Finkel, M. P.; Dec., 446A. Fischer, A. G.; Sept., 314A. Fuoss, R. M.; June, 217A.

Gill, T. J., III; Dec., 446A. Gillispie, C. C.; Dec., 626. Glanville, E. V.; Dec., 398A (with F. J. Kallmann). Gregg, J. H.; Sept., 342A. Gupta, V. D.; March, 96A.

Hargraves, R. B.; Dec., 433A. Hargraves, R. B.; Dec., 433A.
Heer, D.; June, 213A.
Hess, H. H.; June, 219A.
Hiebert, E. N.; Dec., 424A; 468A.
Hill, R. K.; Dec., 444A.
Hill, T. L.; Dec., 404A.
Hoffmann, K.; March, 102A; Dec., 470A.
Horrocks, W. D., Jr.; Sept., 308A.
Howard, R. A.; Dec., 410A.
Howells, W. W.; June, 208A.

Imsande, J.; June, 182A. Irving, J. T.; Sept., 328A.

Janeway, C. A.; June, 192A. Jepsen, G. L.; June, 193A. Jones, R. F.; June, 211A. Judson, S.; Sept., 342A.

Kalliokoski, J.; June, 203A; 212A. Kallmann, F. J.; Dec., 398A (with E. V. Glanville).

Kauzmann, W.; March, 88A.

Kay, M.; March, 104A.

Kennedy, D.; March, 74A.

Knauss, J. A.; Dec., 394A.

Knight, C. A.; Dec., 467A.

Kohn, A. J.; March, 68A.

Krogdahl, W. S.; March, 98A.

Kuhn, T. S.; Dec., 442A.

Kunstadter, P.; Dec., 406A; 410A.

Ladd, H. S.; Dec., 472A. Laitinen, H. A.; Dec., 473A. La Rocque, A.; Dec., 408A. Lewontin, R. C.; Sept., 320A. Lisk, R. D.; June, 220(2); Dec., 418A, 420A. Lochhead, J. H.; Dec., 404A. Lukens, F. D. W.; June, 222A.

MacClintock, P.; June, 216A. MacDonald, G. J. F.; March, 64A. Magee, J. L.; June, 188A. Maguire, B.; June, 195A. Maienthal, M.; Dec., 452A. Maramorosch, K.; March, 70A. Matzke, E. B.; Dec., 439A. Mazur, P.; Dec., 418A.

McAfee, W. S.; March, 109A. McFeron, D. E.; March, 113A, Dec., 426A. McGill, T. E.; Dec., 434A. Melton, M. A.; Dec., 395A. Moore, W. J.; June, 188A. Moorhead, E. D.; Sept., 336A.

Pardee, A. B.; June, 174A. Parr, R. G.; Sept., 316A(2). Parsons, W. H.; Dec., 416A. Pepe, F. A.; Dec., 460A. Pohl, H. A.; Dec., 412A.

Raven, P. H.; March, 82A.
Ray, R. G.; June, 223A.
Reed, J. C.; Dec., 436A.
Riley, G. A.; June, 210A.
Rogers, C. H.; March, 74A; Dec., 463A, 464A.
Rogerson, J. B., Jr.; June, 223A.
Romer, A. S.; June, 174A.
Rosenblum, C.; Dec., 422A.
Rouse, R. O.; Dec., 435A.

Salisbury, F. B.; Dec., 439A. Sambursky, S.; June, 213A. Sampson, E.; June, 216A. Schleyer, P. von R.; March, 96A; Sept., 304A. Schwartz, A. M.; Sept., 308A. Sears, P. B.; March, 76A.

Schwartz, A. M.; Sept., 308A. Sears, P. B.; March, 76A. Sherrer, R. E.; June, 204A. Shontz, F. C.; Dec., 436A. Smith, B. L.; June, 215A

00

Staley, W. W.; Sept., 343A. Steere, W. C.; Sept., 330A. Stinson, B. D.; Dec., 470A. Straus, D. B.; Sept., 344A. Surber, W. H.; June, 222A.

Taylor, H. A.; Dec., 456A.
 Taylor, H. S.; All unsigned lead reviews & March. 62A; June, 172A; 354; Sept.. 288A(2).
 Tech. J. L.; Dec., 449A.

Van Houten, F. B.; March, 106A(2). von Bertalanffy, L.; June, 197A. von Borstel, R. C.; March, 70A; 76A; June, 186A.

Wait, J. R.; March, 114A; Dec., 430A. Walker, E. R.; June, 190A. Walker, L. C.; Sept., 304A. Wangersky, P. J.; Sept., 306A(2). Warrener, R. N.; June, 205A. Weber, G.; Dec., 432A. Westing, A. H.; Sept., 318A. White, F. A.; Dec., 422A. White, G. W.; Sept., 344A. Wiegand, J. H.; March, 110A. Winterkorn, H. F.; Dec., 432A. Wolff, N. E.; March, 62A. Wolf, N. J.; Sept., 300A. Wormington, H. M.; Sept., 322A. Wright, S.; Dec., 460A.

Zimm, B.; Dec., 414A.

Index to Advertisers

Please mention the AMERICAN SCIENTIST when you are writing to an Advertiser

| | Page | | Page |
|--|-------|---|------------------|
| ACADEMIC PRESS, INC. | 455A | KAY ELECTRIC COMPANY | 379A |
| Aerojet-General Corporation | 397A | KEITHLEY INSTRUMENTS, INC. | 467A |
| AIR PRODUCTS & CHEMICALS, INC. | 431A | KEPCO, INC. | 355A |
| ALCONOX, INC. | 473A | LEA AND FEBIGER | 459A |
| American Association for the Advancement of Science | 461A | Martin Company | 407A |
| | 350A | ADOLF MELLER COMPANY | 474A |
| Applied Physics Laboratory of the | 00071 | MELPAR, INC. | 411A |
| | 399A | THE MITTE CORPORATION | 413A |
| ARENBERG ULTRASONIC LABORATORY | 469A | NATIONAL AERONAUTICS & SPACE ADMINISTRATION | 427A |
| ARGONNE NATIONAL LABORATORY | 435A | NORTHROP CORPORATION | 415A |
| BAUSCH & LOMB INCORPORATED 349A, | 359A | NORTHBOP SPACE LABORATORIES | 417A |
| BELL TELEPHONE LABORATORIES, INC. | 391A | OPERATIONS RESEARCH INCORPORATED | 421A |
| BIOS LABORATORIES, INC. | 475A | ORDNANCE RESEARCH LABORATORY of | |
| Burke & James, Inc. | 466A | Pennsylvania State University | 433A |
| CAMBRIDGE UNIVERSITY PRESS | 457A | Pergamon Press, Inc. | 441A |
| CENTER FOR NAVAL ANALYSES | 419A | PHOTOVOLT CORPORATION | 465A |
| COLORADO SERUM COMPANY | 475A | PRINCETON UNIVERSITY PRESS | 447A |
| DOERR GLASS COMPANY | 361A | REINHOLD PUBLISHING CORPORATION REPUBLIC AVIATION CORPORATION | 457A 409A |
| DONNER SCIENTIFIC DIVISION, SYSTRON- | | RESEARCH ANALYSIS CORPORATION | 409A 423A |
| DONNER CORPORATION | 363A | RESEARCH LABORATORIES OF UNITED | 4402 |
| EASTMAN KODAR COMPANY | 393A | AIRCRAFT CORPORATION | 425A |
| EDMUND SCIENTIFIC COMPANY | 471A | Scientific Products, Division of Ame Hospital Supply Corporation | erican 381A |
| ELGEET OPTICAL COMPANY | 365A | Charles Scribner's Sons | 459A |
| ENGIS EQUIPMENT COMPANY | 367A | SHARP LABORATORIES, INC. | 468A |
| Exposition Press | 461A | SPACE TECHNOLOGY LABORATORIES | 353A, 357A |
| F & M SCIENTIFIC CORPORATION | 369A | SPERRY RAND RESEARCH CENTER | 429A |
| GENERAL MOTORS CORPORATION | 389A | SPINCO DIVISION, BECKMAN INSTRUME | |
| GENERAL MOTORS RESEARCH LABORATORIES | 371A | Inc. | Cover III |
| GEOTECHNICAL CORPORATION | 373A | STANDARD SCIENTIFIC SUPPLY CORPORATION | 383A |
| W. A. HAMMOND DRIERITE COMPANY | 472A | TECHNICAL MEASUREMENT | |
| HARVARD APPARATUS COMPANY | 465A | Corporation | Cover IV |
| GERALD K. HELLER COMPANY | 474A | TEKTRONIX, INC. | 385A |
| HEWLETT-PACKARD COMPANY | 375A | TRI-R INSTRUMENTS, INC. | 463A |
| HOFFMANN-LA ROCHE, INC. | 377A | Unitron Instrument Company | 387A |
| HOUGHTON MIFFLIN COMPANY | 461A | University of California Press | 453A |
| HUGHES AIRCRAFT COMPANY | 437A | University of Chicago Press | 450A-451A |
| IBM CORPORATION | 401A | D. VAN NOSTRAND COMPANY, INC. VANTAGE PRESS. INC. | Cover II 475A |
| INSTITUTE FOR DEFENSE ANALYSES | 403A | JOHN WILEY & SONS, INC. | 444A-445A |
| JET PROPULSION LABORATORY of California Institute of Technology | 405A | YALE UNIVERSITY PRESS | 455A |

